



DEPARTMENT OF TEACHER DEVELOPMENT

**ROBERT MUGABE SCHOOL OF EDUCATION AND  
CULTURE**

**BACHELOR OF EDUCATION DEGREE**

**LEVEL 4 SEMESTER 1**

**EXAMINATION QUESTION PAPER**

<b>MODULE CODE</b>	<b>TDSARG 401-3</b>
<b>MODULE NARRATION</b>	<b>ANATOMY AND PHYSIOLOGY OF FARM ANIMALS</b>
<b>DATE</b>	<b>JUNE 2024</b>
<b>DURATION</b>	<b>3 HOURS</b>

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**INSTRUCTIONS TO CANDIDATES:**

1. Answer any **THREE** questions
2. Each question carries **25 marks**

1. Describe the ultrastructure of an animal cell highlighting the structure and functions of at least five organelles. [25]
2. For either a ruminant or a non-ruminant, describe the digestive system. Mention the functions of all chambers and fluids involved. [25]
3. Write notes on the following
  - a) The brain [5]
  - b) Skeletal system [10]
  - c) Muscle system [10]
4. Parturition in a cow is divided into three stages. Briefly describe these stages and the events that occur prior to the onset of the parturition process. [25]
5. Urine can be used to detect abnormalities in the urinary tract of a farm animal. Discuss in detail [25]